

PolyOne Synprene® ST-6110 Thermoplastic Elastomer - SBC (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Synprene™ thermoplastic elastomers (TPEs) are compounds based on styrenic block copolymer (SBC) technology, and can be formulated to deliver extremely low hardness values not found in other elastomers. These materials are ideal for applications requiring flexibility over a wide temperature range, excellent colorability, broad processing capability and durability. Description/Features: High Performance Thermoplastic Elastomer Transparent Over-Molding Grade Applications: Multi-Purpose FDA (Food contact) Processing Method: Injection Molding Information provided by PolyOne Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-ST-6110-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	10	10	Instant; ASTM D2240
Tensile Strength, Yield	1.90 MPa	275 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	0.345 MPa @Strain 300 %	50.0 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	800 %	800 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	7.89 kN/m	45.0 pli	Die C (graves), 20 in/min; ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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